

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

REGULATORY CONTACT RECORD

Date/Time: October 2, 2003 / 1:00 p.m.

Site Contact(s): Chris Gilbreath
Phone: 303-966-7355

Regulatory Contact: Denise Onyskiw
Phone: 303-692-3371

Agency: CDPHE

Purpose of Contact: Disposition of Embedded Unistrut

Discussion

The ceiling of the first floor in Building 771 contains a significant amount of embedded unistrut (approximately 5,000 linear feet). The unistrut was used to support ductwork and other equipment/piping. All ductwork and equipment/piping has been removed. The overall volume of the 1 3/4" embedded unistrut is about 106 ft³ (which includes the internal void). The volume of concrete/unistrut in question is approximately 17,700 ft³ (which does not include columns). As a result, embedded unistrut makes up less than 0.6% of the matrix.

Over the past month, numerous attempts have been made to decontaminate the embedded unistrut. These efforts included hydrolasing (e.g., 35,000 psi water scabbling), high-pressure power washing, sand blasting and strip coating. These decontamination techniques were unsuccessful in removing all fixed contamination. The most contaminated piece of embedded unistrut observed, which was in the area of the '57 fire, was less than 20,000 dpm fixed.

Removing the unistrut prior to demolition is unusually difficult and would result in a considerable risk to the workers. Removing the contaminated unistrut post-demolition could be attempted either manually or mechanically. However, both methods result in a relatively dangerous working environment. As a result, the Site proposed to leave the embedded unistrut in-place during demolition. Ms. Onyskiw agreed to allow the embedded unistrut to remain in-place during demolition, provided an appropriate fixative (e.g., firedam) is applied and the radiological surveys verify the surfaces are at or below the release criteria for removable contamination. Ms. Onyskiw also agreed that following demolition, the concrete/imbedded unistrut matrix be placed within the portion of Building 771 that will remain in-place provided the unistrut does not adversely impact the ability to meet the compaction requirements. The Demolition Plan to be provided to CDPHE will address any necessary controls to mitigate potential radiological concerns.

Contact Record Prepared By: Chris Gilbreath

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ADMIN RECORD

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